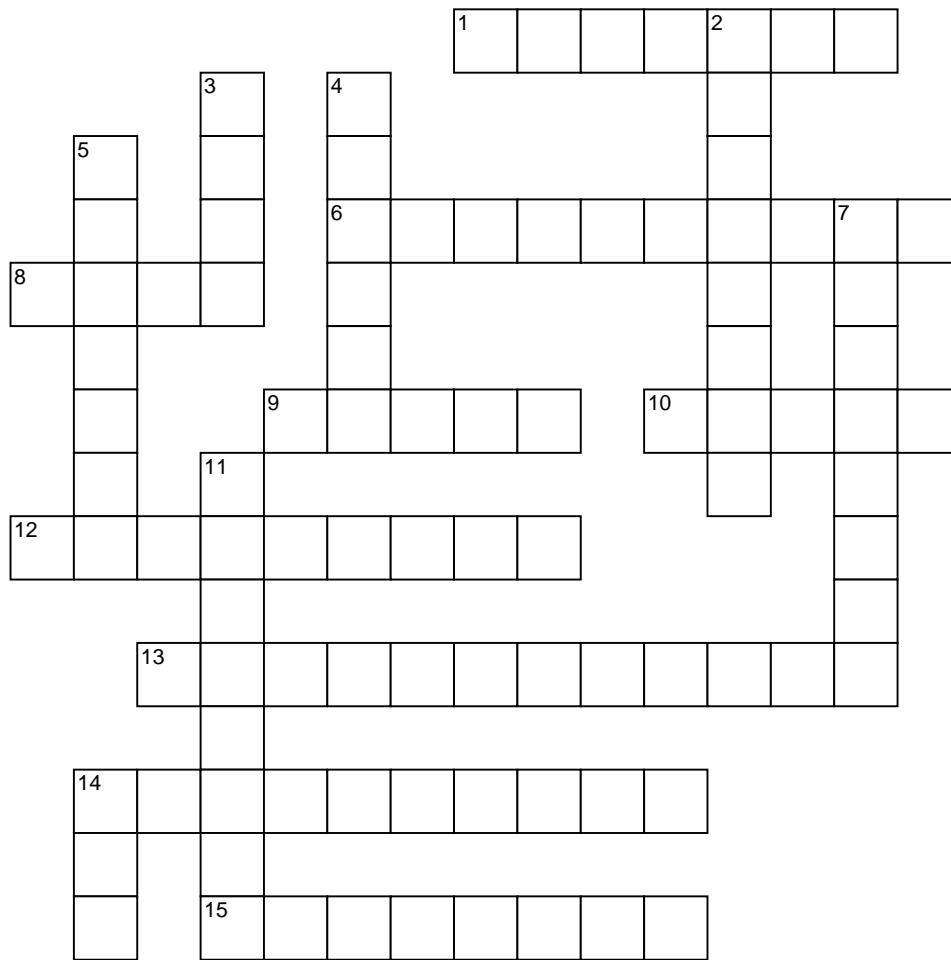


Circular Motion Crossword



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ACROSS

- 1 f _____. The point around which a lever rotates
- 6 _____. arm. That part of a lever in which the force causes the lever to rotate counter-clockwise.
- 8 Center of _____. Point at the center of an object's mass distribution. The point at which all its mass is said to be concentrated. An object which is thrown in the air will rotate about its center of mass while following a parabolic arc.
- 9 A simple machine which consists of a bar and a fulcrum about which it rotates (example: a see saw)
- 10 _____. arm. That part of a lever in which a force is applied which makes the lever rotate clockwise.
- 12 A device consisting of a wheel or disk mounted so that it can spin rapidly about an axis that is itself free to alter in direction. The orientation of the axis is not affected by tilting of the mounting
- 13 Another method of expressing the metric unit of work. It consists of moving a weight of one Newton over a distance of one meter
- 14 _____. inertia. The tendency of rotating objects to remain rotating
- 15 Inertia in motion. The product of mass and velocity.

DOWN

- 2 Axis of _____. The line or point about which something spins
- 3 A straight line about which rotation takes place
- 4 A measure of the work done when something is made to spin.
- 5 Center of _____. Center of an object's weight distribution. Its balance point. It may lie outside its body. (generally the same as center of mass).
- 7 _____. motion. Motion that is everywhere equidistant from a central point.
- 11 Angular _____. A measure of circular inertia that is a product of circular velocity and inertia. Like its linear analog, it is a measure of both velocity and mass.
- 14 The tendency of rotating objects to remain rotating